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United States Department of Agriculture,

DIVISION OF PUBLICATIONS.

WASHINGTON, D. C., *May 31, 1913.*

MONTHLY LIST OF PUBLICATIONS.

[MAY, 1913.]

NOTE.—Copies of any of the publications listed herein, **except publications of the Weather Bureau,** may be obtained **free upon application to the Editor and Chief of the Division of Publications, U. S. Department of Agriculture, Washington, D. C.,** as long as the department's supply lasts. The edition of many of the publications is necessarily limited, and when same is exhausted applicants may obtain copies from the Superintendent of Documents, Government Printing Office, Washington, D. C., who, under the provisions of the joint resolution of March 28, 1904, is empowered to have reprints made and sell them at the prices herein given. Do not apply to the Superintendent of Documents for publications **without sending the price of same,** as he does not distribute them except by sale. The price of all documents, unless otherwise noted, is 5 cents per copy.

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The Department of Agriculture does not distribute or control the distribution of the publications of the State boards of agriculture or of the State agricultural experiment stations.

ADVANCE SHEETS, FIELD OPERATIONS OF THE BUREAU OF SOILS.

Soil Survey of Marshall County, Alabama. By C. S. Waldrop, of the United States Department of Agriculture, and N. Eric Bell, of the Alabama Department of Agriculture and Industries. Pp. 32, fig. 1, map. (From F. O. Soils, 1911.) Price, 15 cents.

Soil Survey of Reno County, Kansas. By William T. Carter, jr., F. V. Emerson, A. E. Kocher, and Allen L. Higgins, of the United States Department of Agriculture, and Charles S. Myszka and H. C. Lint, of the Kansas State Agricultural College. Pp. 72, figs. 2, map. (From F. O. Soils, 1911.) Price, 15 cents.

Soil Survey of Shawnee County, Kansas. By W. C. Byers, of the United States Department of Agriculture, and R. I. Throckmorton, of the Kansas State Agricultural College. Pp. 41, fig. 1, map. (From F. O. Soils, 1911.) Price, 15 cents.

Reconnoissance Survey of Southwestern Washington. By A. W. Mangum and Party. Pp. 136, pls. 2, 2 figs. 5, maps 4. (From F. O. Soils, 1911.) Price, 75 cents.

REPORTS.

Annual Report of the Hawaii Agricultural Experiment Station for 1912. Pp. 91, pls. 5, figs. 2. (Document 1491, Office of Experiment Stations.) Price, 10 cents.

BULLETINS.

The Care of the Farm Egg. By Harry M. Lamon and Charles L. Opperman, Junior Animal Husbandmen, Animal Husbandry Division. Pp. 53, pls. 6, figs. 8. (Bulletin 160, Bureau of Animal Industry.) Price, 15 cents.

Distribution and Migration of North American Herons and Their Allies. By Wells W. Cooke, Assistant, Biological Survey. Pp. 70, figs. 21. (Bulletin 45, Bureau of Biological Survey.) Price, 10 cents.

The Composition of Different Varieties of Red Peppers. By L. M. Tolman and L. C. Mitchell, Food Inspection Laboratory. Pp. 32. (Bulletin 163, Bureau of Chemistry.) Price, 5 cents.

Leather Investigations: The Composition of Some Sole Leathers. By F. P. Veitch, Chief, Leather and Paper Laboratory, and J. S. Rogers, Assistant Chemist. Pp. 20. (Bulletin 165, Bureau of Chemistry.) Price, 5 cents.

The Elimination and Toxicity of Caffein in Nephrectomized Rabbits. By William Salant, Chief, Pharmacological Laboratory, Division of Drugs, and J. B. Rieger, Assistant Chemist. Pp. 31. (Bulletin 166, Bureau of Chemistry.) Price, 5 cents.

The Hop Aphis in the Pacific Region. By William B. Parker, M. S., Entomological Assistant. Pp. 43, pls. 10, figs. 8. (Bulletin 111, Bureau of Entomology.) Price, 15 cents.

The Red Spider on Hops in the Sacramento Valley of California. By William B. Parker, M. S., Entomological Assistant. Pp. 41, pls. 6, figs. 9. (Bulletin 117, Bureau of Entomology.) Price, 15 cents.

Papers on Insects Affecting Vegetable and Truck Crops. The Spotted Beet Webworm. By F. H. Chittenden, Sc. D., In Charge of Truck Crop and Stored Product Insect Investigations. Pp. 1–11, pls. 4, figs. 3. (Bulletin 127, Part 1.) Price, 5 cents.

Papers on Insects Affecting Vegetable and Truck Crops. The Striped Beet Caterpillar. By H. O. Marsh, Entomological Assistant. Pp. iii+13–18, pl. 1, figs. 2. (Bulletin 127, Part 2, Bureau of Entomology.) Price, 5 cents.

Educational Contests in Agriculture and Home Economics. For use in Farmers' Institute and Agricultural Extension Work. By George L. Christie, B. S. A., Superintendent of Agricultural Extension, Purdue University, La Fayette, Ind. Pp. 47. (Bulletin 255, Office of Experiment Stations.) Price, 5 cents.

Experiment Station Record, Vol. XXVIII, No. 6, Abstract Number, 1913. E. W. Allen, Ph. D., Editor. Pp. 501–600. Price, 15 cents.

Same, Vol. XXVII, Index Number. Pp. 901–1004. Price, 15 cents.

The record contains numerous abstracts of the publications of the agricultural experiment stations and kindred institutions in this and other countries, articles and editorials on topics of special interest in agricultural science by American and foreign experts and notes on the experiment stations. The Superintendent of Documents has fixed the price of this serial, which is now issued in two volumes a year, nine numbers each, at $1 a volume.

Experiments in the Preservative Treatment of Red-Oak and Hard-Maple Crossties. By Francis M. Bond, In Charge Wood Preservation. Pp. 92, pls. 9, figs. 26. (Bulletin 126, Forest Service.) Price, 20 cents.

Monthly Bulletin of the Library, March, 1913. Vol. 4, No. 3. Pp. 66–91. (Library.) Price, 5 cents.

The Muscadine Grapes. By George C. Husmann, Pomologist in Charge of Viticultural Investigations, and Charles Dearing, Scientific Assistant, Office of Field Investigations in Pomology. Pp. 64, pls. 11, figs. 26. (Bulletin 273, Bureau of Plant Industry.) Price, 25 cents.

Apples and Peaches in the Ozark Region. By H. P. Gould, Pomologist in Charge, and W. F. Fletcher, Scientific Assistant, Fruit District Investigations, Office of Field Investigations in Pomology. Pp. 95, pls. 6, figs. 6. (Bulletin 275, Bureau of Plant Industry.) Price, 15 cents.

A Dry Rot of Sweet Potatoes Caused by Diaporthe batatatis. By L. L. Harter, Pathologist, and Ethel C. Field, Scientific Assistant, Cotton and Truck Disease and Sugar-Plant Investigations. Pp. 38, pls. 4, figs. 4. (Bulletin 281, Bureau of Plant Industry.) Price, 10 cents.

Repair and Maintenance of Highways. By Laurence I. Hewes, Ph. D., Chief of Economics and Maintenance, Office of Public Roads. Pp. 71, pls. 3, figs. 13. (Bulletin 48, Office of Public Roads.) Price, 15 cents.

The Occurrence of Potassium Salts in the Salines of the United States. By J. W. Turrentine, with Analyses by W. H. Ross, R. F. Gardner, A. R. Merz, and J. A. Cullen. Pp. 96, figs. 3. (Bulletin 94, Bureau of Soils.) Price, 15 cents.

CIRCULARS.

Rules and Regulations for Carrying Out the Plant Quarantine Act. Pp. 16. [Supersedes Circular 41, Office of the Secretary.] (Circular 44, Office of the Secretary.)

Amendment 5 to Rule 2, Revision 3. To Prevent the Spread of Scabies in Cattle. Releasing from Quarantine a Portion of the State of Texas. Pp. 1. (Amendment 5 to B. A. I. Order 167.)

The Detection of Phytosterol in Mixtures of Animal and Vegetable Fats. By Robert H. Kerr, Biochemist, Biochemic Division. Pp. 4. (Circular 212, Bureau of Animal Industry.)

The Red Spider on Cotton. By E. A. McGregor, Entomological Assistant. Pp. 22, figs. 12. (Circular 172. Bureau of Entomology.)

Arsenate of Lead as an Insecticide Against the Tobacco Hornworms. By A. C. Morgan and D. C. Parman, Entomological Assistants. Pp. 10. (Circular 173, Bureau of Entomology.)

Pith-Ray Flecks in Wood. By H. P. Brown, Xylotomist. Pp. 15, pls. 6. (Circular 215, Forest Service.)

Miscellaneous Papers: [A.] Agriculture on the Yuma Reclamation Project. By Carl S. Scofield. [B.] Effects of Cross-Pollination on the Size of Seed in Maize. By G. N. Collins and J. H. Kempton. [C.] Experiments on the Decay of Florida Oranges. By J. G. Grossenbacher. [D.] The Wild Prototype of the Cowpea. By Charles V. Piper. Pp. 32, figs. 3. (Circular 124, Bureau of Plant Industry.)

Sudan Grass, A New Drought-Resistant Hay Plant. By C. V. Piper, Agrostologist in Charge of Forage-Crop Investigations. Pp. 20, figs. 6. (Circular 125, Bureau of Plant Industry.)

Miscellaneous Papers. [A.] Fungous Diseases Liable to be Disseminated in Shipments of Sugar Cane. By Ethel C. Field. [B.] The Work of the Yuma Experiment Farm in 1912. By W. A. Peterson. [C.] Directions for Collecting Plants. By P. L. Ricker. Pp. 35, figs. 16. (Circular 126, Bureau of Plant Industry.) Price, 10 cents.

Miscellaneous Papers. [A.] The Work of the Delta Experiment Farm in 1912. By John P. Irish, Jr. [B.] Silver Scurf, a Disease of the Potato. By I. E. Melhus. [C.] The Dasheen, a Root Crop for the Southern States. By Robert A. Young. Pp. 36, figs. 7. (Circular 127, Bureau of Plant Industry.)

Miscellaneous Papers. [A.] Some Profitable and Unprofitable Farms in New Hampshire. By Fred E. Robertson and Lawrence G. Dodge. [B.] The Strength of Textile Plant Fibers. By Lyster H. Dewey and Marie Goodloe. Pp. 21, figs. 3. (Circular 128, Bureau of Plant Industry.)

Monthly List of Publications for April, 1913. Pp. 4. (Document 786, Division of Publications.)

Foreign Crops, March–April, 1913. By Charles M. Daugherty, Chief of the Division of Research and Reference. Pp. 27. (Circular 47, Bureau of Statistics.)

Crop Reporter, Vol. 15, No. 5, May, 1913. Pp. 33–40. (Bureau of Statistics.)

The Crop Reporter is a two-column quarto publication devoted to agricultural statistics.

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FARMERS' BULLETINS.

Vetch Growing in the South Atlantic States. By A. G. Smith, Agriculturist, Office of Farm Management, Bureau of Plant Industry. Pp. 21, figs. 6. (Farmers' Bulletin 529.)

Important Poultry Diseases. By D. E. Salmon, D. V. M. Pp. 36. (Farmers' Bulletin 530.)

Larkspur, or "Poison Weed." By C. Dwight Marsh and A. B. Clawson, Physiologists, and Hadleigh Marsh, Laboratory Assistant. Drug-Plant, Poisonous-Plant, Physiological, and Fermentation Investigations, Bureau of Plant Industry. Pp. 15, figs. 5. (Farmers' Bulletin 531.)

Experiment Station Work LXXV. Compiled from the Publications of the Agricultural Experiment Stations. Pp. 24, figs. 4. (Farmers' Bulletin 532.)

Contents: Garden Sweet Peas—Winter-Flowering Sweet Peas—Southern Bur Clover—Type of Sheep for Southwest—Combating Flies.

Durum Wheat. By Cecil Salmon, Plant Physiologist, and J. Allen Clark, Scientific Assistant, Office of Cereal Investigations, Bureau of Plant Industry. (Farmers' Bulletin 534.)

Stock Poisoning Due to Scarcity of Food. By C. Dwight Marsh, Physiologist, Drug-Plant, Poisonous-Plant, Physiological, and Fermentation Investigations, Bureau of Plant Industry. Pp. 4. (Farmers' Bulletin 536.)

How to Grow an Acre of Corn. By C. P. Hartley, Physiologist in Charge of Corn Investigations. Pp. 21, figs. 12. (Farmers' Bulletin 537.)

This bulletin gives some fundamental requirements for large and profitable corn yields on one acre for the general guidance of boys either as individuals or members of corn clubs.

Sites, Soils, and Varities for Citrus Groves in the Gulf States. By P. H. Rolfs, Director of the Agricultural Experiment Station of Florida. Pp. 15. (Farmers' Bulletin 538.)

PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Hurricanes of the West Indies. By Oliver L. Fassig, Professor of Meteorology, United States Weather Bureau. Pp. 28, pls. 25. (Bulletin X, Weather Bureau.) Price $1.50.

Bulletin of the Mount Weather Observatory, vol. 5, pt. 5. Prepared under the direction of Willis L. Moore, Chief United States Weather Bureau. Pp. 295–364, figs. 11. (W. B. No. 503.) Price, 25 cents.

Monthly Weather Review, vol. 41, No. 2, February, 1913. Prepared under the direction of Willis L. Moore, Chief U. S. Weather Bureau. Pp. 171–325, maps 2, charts 8. (W. B. No. 502.) Price, 35 cents; $4 a year.

National Weekly Weather Bulletin Nos. 7, 8, 9, 10, for May, 1913, reporting temperature and rainfall, with a summary of weather conditions throughout the United States. [Weekly, April–September, Monthly, remainder of year.] Price, 25 cents a year.

JOS. A. ARNOLD,
Editor and Chief.

Approved:
D. F. HOUSTON,
Secretary of Agriculture.

WASHINGTON : GOVERNMENT PRINTING OFFICE : 1913